

(Reaffirmed 2017)

Indian Standard

(Reaffirmed 2002)



SPECIFICATION FOR HEEL SOCKET AND PLATE FOR ORTHOSIS

(First Revision)

1. Scope — This standard covers dimensional and other requirements for heel socket and plate of two types for orthopaedic calipers and braces.

2. Shape and Dimensions — As shown in Fig. 1 and 2, for types 1 and 2.

3. Material — Hot-rolled mild steel sheet, conforming to IS:1079-1973 'Specification for hot rolled carbon steel sheet and strip (third revision)' or cold-rolled carbon steel sheets [see IS: 513 - 1973 'Specification for cold rolled carbon steel sheets (second revision)'].

4. Workmanship and Finish

4.1 The heel socket and plate shall be well finished, free from toolmarks, rough edges and other surface defects.

4.2 The socket shall be soundly welded or brazed to the plate.

4.3 The assembly shall be zinc plated in accordance with IS:1573-1970 'Specification for electroplated coatings of zinc on iron and steel (first revision)'.

5. Marking — The heel socket and plate shall be marked with the following:

- a) Manufacturer's name, initials or recognized trade-mark;
- b) Size; and
- c) Marking of 'Right or Left' on the heel socket.

5.1 ISI Certification Marking — Details available with the Indian Standard Institution.

6. Packing — As agreed to between the purchaser and the supplier.

7. Sampling — A sampling scheme and criteria for acceptance shall be as agreed to between the purchaser and the manufacturer; however a recommended scheme is given below.

7.1 Lot — All those sets of heel sockets and plates of the same type shall be grouped together to constitute a lot. Each lot shall be tested for the requirements of this specification.

7.2 Each set of heel sockets and plates for orthosis shall be examined for shape and dimensions (2) and workmanship and finish (4). All those sets which fail in one or more of the above requirements shall be rejected and only the satisfactory sets of sockets and plates shall be accepted.

EXPLANATORY NOTE

This standard was first published in 1970. The standard is being revised mainly to incorporate certain changes in shape and dimensions.

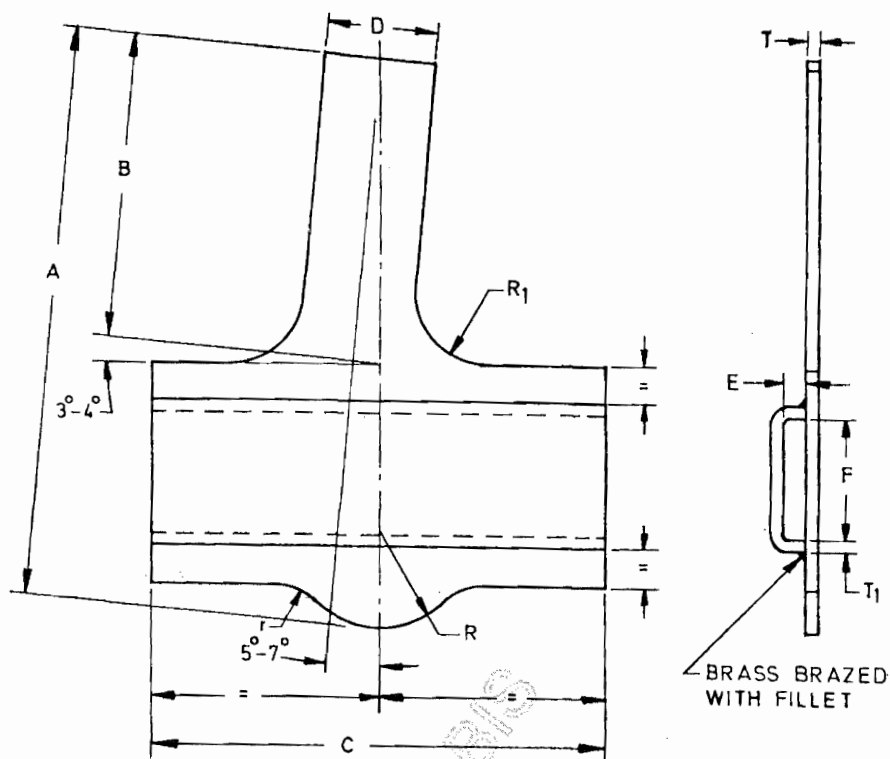
Adopted 26 June 1986

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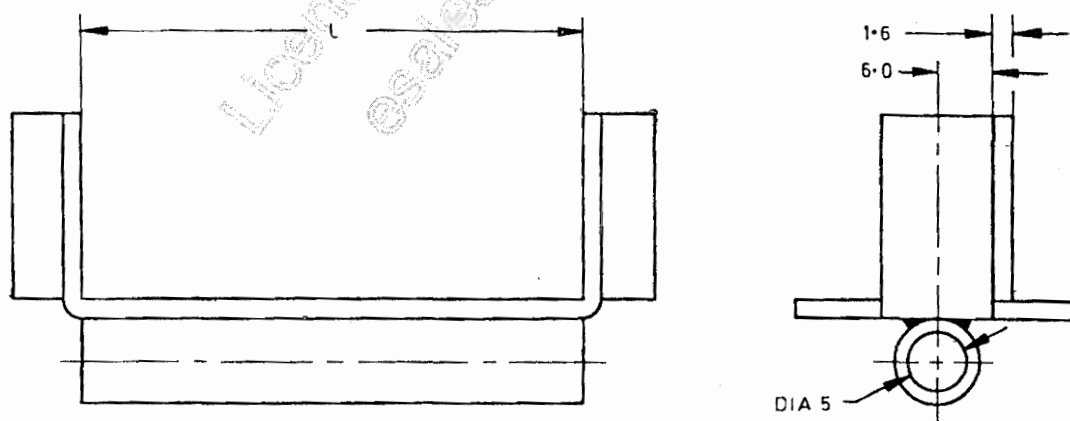
MAX. RETAIL PRICE
INCL. OF ALL TAXES
890



Size	A ±2	B ±1	C ±1.5	D ±0.5	E ±0.5	F ±0.5	T ±0.3	T ₁ ±0.3	R ±0.5	R ₁ ±0.5	r ±9.5
I	75	40	60	15	3	15	1.6	1.6	12	10	6
II	90	50	70	20	4	19	2.0	2.0	16	12	8
III	105	60	80	20	4	22	2.0	2.0	20	12	10

All dimensions in millimetres.

FIG. 1 HEEL SOCKET AND PLATE FOR ORTHOPAEDIC CALIPERS AND BRACES, TYPE 1, TYPICAL



SIZE	L
I	48
II	54
III	60

All dimensions in millimetres.

FIG. 2 HEEL SOCKET AND PLATE FOR ORTHOPAEDIC CALIPERS AND BRACES, TYPE 2, TYPICAL